

16. (Previously Presented) The pressure sensor of claim 11, wherein a connecting material is between the first fixing area and the second fixing area, the connecting material being comparatively soft.
17. (Previously Presented) The pressure sensor of claim 11, wherein resistor elements are provided in the diaphragm area.
18. (Canceled).
19. (Currently Amended) The pressure sensor of claim 11, wherein a connecting surface between the first fixing area and the second fixing area is at an acute angle to the sensing a diaphragm plane of the diaphragm area.
20. (Canceled).
21. (New) The pressure sensor of claim 11, wherein the tapering of the cross section of the fixing element at the second fixing area centers the pressure sensor element in the fixing element under the force action of the measured pressure.
22. (New) The pressure sensor of claim 11, wherein the pressure sensor has an angled edge at the first fixing area which substantially conforms to the taper of the cross section of the fixing element at the second fixing area.
23. (New) The pressure sensor of claim 11, wherein the diaphragm area is formed as a wall of a cavity in the pressure sensor element, the cavity having additional walls adjacent to the diaphragm area and at an angle of substantially 90° to the diaphragm area.
24. (New) The pressure sensor of claim 23 wherein the pressure sensor element comprises silicon and the fixing element comprises Kovar.